SEQUENCE LISTING

<110> Li, Jian;
Mbow, Lamine;
Goletz, Terry;
Peritt, David

<120> METHOD OF INDUCING MATURATION OF DENDRITIC CELLS AND USES THEREFOR

<130> CEN0312 NP

<140> US 10/666,490
<141> 2003-09-19

<150> 60/412,145
<150> 2002-09-19

<160> 5

<170> PatentIn Ver 3.0

<210> 1
<211> 157
<212> PRT
<213> Homo sapiens
<400> 1

Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile Arg Asn Leu Asn
1 5 10 15

Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro Leu Phe Glu Asp
20 25 30

Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
35 40 45

Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile
50 55 60

Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys Ile
65 70 75 80

Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys
85 90 95

Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys
100 105 110

Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
115 120 125

Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
130 135 140

Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp
145 150 155

<210> 2

<211> 224
<212> PRT
<213> Homo sapiens
<400> 2

```
Glu Ser Cys Thr Ser Arg Pro His Ile Thr Val Val Glu Gly Glu Pro
1               5                  10                  15

Phe Tyr Leu Lys His Cys Ser Cys Ser Leu Ala His Glu Ile Glu Thr
            20                  25                  30

Thr Thr Lys Ser Trp Tyr Lys Ser Ser Gly Ser Gln Glu His Val Glu
        35                  40                  45

Leu Asn Pro Arg Ser Ser Ser Arg Ile Ala Leu His Asp Cys Val Leu
    50                  55                  60

Glu Phe Trp Pro Val Glu Leu Asn Asp Thr Gly Ser Tyr Phe Phe Gln
65                  70                  75                  80

Met Lys Asn Tyr Thr Gln Lys Trp Lys Leu Asn Val Ile Arg Arg Asn
                85                  90                  95

Lys His Ser Cys Phe Thr Glu Arg Gln Val Thr Ser Lys Ile Val Glu
            100                 105                 110

Val Lys Lys Phe Phe Gln Ile Thr Cys Glu Asn Ser Tyr Tyr Gln Thr
        115                 120                 125

Leu Val Asn Ser Thr Ser Leu Tyr Lys Asn Cys Lys Lys Leu Leu Leu
    130                 135                 140

Glu Asn Asn Lys Asn Pro Thr Ile Lys Lys Asn Ala Glu Phe Glu Asp
145                 150                 155                 160

Gln Gly Tyr Tyr Ser Cys Val His Phe Leu His His Asn Gly Lys Leu
                165                 170                 175

Phe Asn Ile Thr Lys Thr Phe Asn Ile Thr Ile Val Glu Asp Arg Ser
            180                 185                 190

Asn Ile Val Pro Val Leu Leu Gly Pro Lys Leu Asn His Val Ala Val
        195                 200                 205

Glu Leu Gly Lys Asn Val Arg Leu Asn Cys Ser Ala Leu Leu Asn Glu
    210                 215                 220
```

<210> 3
<211> 1102
<212> DNA
<213> Homo sapiens
<400> 3

```
gcctggacag tcagcaagga attgtctccc agtgcatttt gccctcctgg ctgccaactc       60

tggctgctaa agcggctgcc acctgctgca gtctacacag cttcgggaag aggaaaggaa       120
```

cctcagacct tccagatcgc ttcctctcgc aacaaactat ttgtcgcagg aataaagatg 180

gctgctgaac cagtagaaga caattgcatc aactttgtgg caatgaaatt tattgacaat 240

acgctttact ttatagctga agatgatgaa aacctggaat cagattactt tggcaagctt 300

gaatctaaat tatcagtcat aagaaatttg aatgaccaag ttctcttcat tgaccaagga 360

aatcggcctc tatttgaaga tatgactgat tctgactgta gagataatgc accccggacc 420

atatttatta taagtatgta taaagatagc cagcctagag gtatggctgt aactatctct 480

gtgaagtgtg agaaaatttc aactctctcc tgtgagaaca aaattatttc ctttaaggaa 540

atgaatcctc ctgataacat caaggataca aaaagtgaca tcatattctt tcagagaagt 600

gtcccaggac atgataataa gatgcaattt gaatcttcat catacgaagg atactttcta 660

gcttgtgaaa aagagagaga ccttttttaaa ctcattttga aaaaagagga tgaattgggg 720

gatagatcta taatgttcac tgttcaaaac gaagactagc tattaaaatt tcatgccggg 780

cgcagtggct cacgcctgta atcccagccc tttgggaggc tgaggcgggc agatcaccag 840

aggtcaggtg ttcaagacca gcctgaccaa catggtgaaa cctcatctct actaaaaata 900

ctaaaaatta gctgagtgta gtgacgcatg ccctcaatcc cagctactca agaggctgag 960

gcaggagaat cacttgcact ccggaggtag aggttgtggt gagccgagat tgcaccattg 1020

cgctctagcc tgggcaacaa cagcaaaact ccatctcaaa aaataaaata aataaataaa 1080

caaataaaaa attcataatg tg 1102

<210> 4
<211> 310
<212> PRT
<213> Homo sapiens
<400> 4

Cys Lys Glu Arg Glu Glu Lys Ile Ile Leu Val Ser Ser Ala Asn Glu
1 5 10 15

Ile Asp Val Arg Pro Cys Pro Leu Asn Pro Asn Glu His Lys Gly Thr
20 25 30

Ile Thr Trp Tyr Lys Asp Asp Ser Lys Thr Pro Val Ser Thr Glu Gln
35 40 45

Ala Ser Arg Ile His Gln His Lys Glu Lys Leu Trp Phe Val Pro Ala
50 55 60

Lys Val Glu Asp Ser Gly His Tyr Tyr Cys Val Val Arg Asn Ser Ser
65 70 75 80

Tyr Cys Leu Arg Ile Lys Ile Ser Ala Lys Phe Val Glu Asn Glu Pro

85 90 95

Asn Leu Cys Tyr Asn Ala Gln Ala Ile Phe Lys Gln Lys Leu Pro Val
100 105 110

Ala Gly Asp Gly Gly Leu Val Cys Pro Tyr Met Glu Phe Phe Lys Asn
115 120 125

Glu Asn Asn Glu Leu Pro Lys Leu Gln Trp Tyr Lys Asp Cys Lys Pro
130 135 140

Leu Leu Leu Asp Asn Ile His Phe Ser Gly Val Lys Asp Arg Leu Ile
145 150 155 160

Val Met Asn Val Ala Glu Lys His Arg Gly Asn Tyr Thr Cys His Ala
165 170 175

Ser Tyr Thr Tyr Leu Gly Lys Gln Tyr Pro Ile Thr Arg Val Ile Glu
180 185 190

Phe Ile Thr Leu Glu Glu Asn Lys Pro Thr Arg Pro Val Ile Val Ser
195 200 205

Pro Ala Asn Glu Thr Met Glu Val Asp Leu Gly Ser Gln Ile Gln Leu
210 215 220

Ile Cys Asn Val Thr Gly Gln Leu Ser Asp Ile Ala Tyr Trp Lys Trp
225 230 235 240

Asn Gly Ser Val Ile Asp Glu Asp Asp Pro Val Leu Gly Glu Asp Tyr
245 250 255

Tyr Ser Val Glu Asn Pro Ala Asn Lys Arg Arg Ser Thr Leu Ile Thr
260 265 270

Val Leu Asn Ile Ser Glu Ile Glu Ser Arg Phe Tyr Lys His Pro Phe
275 280 285

Thr Cys Phe Ala Lys Asn Thr His Gly Ile Asp Ala Ala Tyr Ile Gln
290 295 300

Leu Ile Tyr Pro Val Thr
305 310

<210> 5
<211> 298
<212> PRT
<213> Homo sapiens
<400> 5

Glu Ser Cys Thr Ser Arg Pro His Ile Thr Val Val Glu Gly Glu Pro
1 5 10 15

Phe Tyr Leu Lys His Cys Ser Cys Ser Leu Ala His Glu Ile Glu Thr
20 25 30

Thr Thr Lys Ser Trp Tyr Lys Ser Ser Gly Ser Gln Glu His Val Glu

```
        35                  40                  45

Leu Asn Pro Arg Ser Ser Ser Arg Ile Ala Leu His Asp Cys Val Leu
    50                  55                  60

Glu Phe Trp Pro Val Glu Leu Asn Asp Thr Gly Ser Tyr Phe Phe Gln
65                  70                  75                  80

Met Lys Asn Tyr Thr Gln Lys Trp Lys Leu Asn Val Ile Arg Arg Asn
                85                  90                  95

Lys His Ser Cys Phe Thr Glu Arg Gln Val Thr Ser Lys Ile Val Glu
            100                 105                 110

Val Lys Lys Phe Phe Gln Ile Thr Cys Glu Asn Ser Tyr Tyr Gln Thr
        115                 120                 125

Leu Val Asn Ser Thr Ser Leu Tyr Lys Asn Cys Lys Lys Leu Leu Leu
    130                 135                 140

Glu Asn Asn Lys Asn Pro Thr Ile Lys Lys Asn Ala Glu Phe Glu Asp
145                 150                 155                 160

Gln Gly Tyr Tyr Ser Cys Val His Phe Leu His His Asn Gly Lys Leu
                165                 170                 175

Phe Asn Ile Thr Lys Thr Phe Asn Ile Thr Ile Val Glu Asp Arg Ser
            180                 185                 190

Asn Ile Val Pro Val Leu Leu Gly Pro Lys Leu Asn His Val Ala Val
        195                 200                 205

Glu Leu Gly Lys Asn Val Arg Leu Asn Cys Ser Ala Leu Leu Asn Glu
    210                 215                 220

Glu Asp Val Ile Tyr Trp Met Phe Gly Glu Glu Asn Gly Ser Asp Pro
225                 230                 235                 240

Asn Ile His Glu Glu Lys Glu Met Arg Ile Met Thr Pro Glu Gly Lys
                245                 250                 255

Trp His Ala Ser Lys Val Leu Arg Ile Glu Asn Ile Gly Glu Ser Asn
            260                 265                 270

Leu Asn Val Leu Tyr Asn Cys Thr Val Ala Ser Thr Gly Gly Thr Asp
        275                 280                 285

Thr Lys Ser Phe Ile Leu Val Arg Lys Ala
    290                 295
```